Maine Weekly Influenza Surveillance Report

Maine Center for Disease Control and Prevention
An Office of the Department of Health and Human Services

January 16, 2018

For MMWR week 2 (ending 1/13/2018)

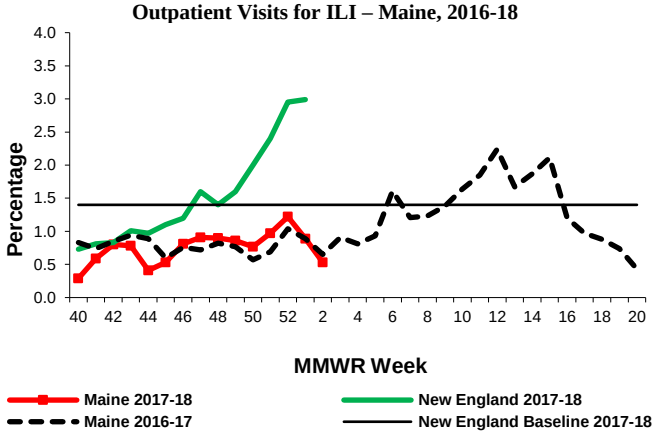
New This Week

- Federal Flu Code: Widespread
- 105 new hospitalizations
- 11 new outbreaks, 9 in long term care facilities, 1 in an acute care facility and 1 in an institution

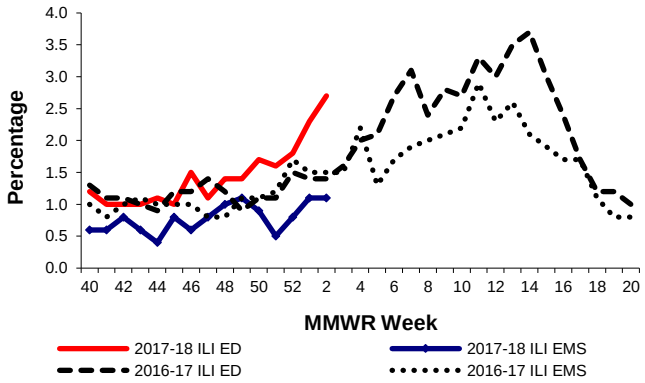
Surveillance Information – Maine, 2017-2018 Influenza Season

- Number of ILINet Providers reporting: 21
  - % of visits for Influenza-Like Illness (ILI): 0.53
- Syndromic Surveillance
  - % of Emergency Room visits for ILI: 2.7
  - % of Emergency Medical Services (EMS) runs for ILI: 1.1
- Influenza Hospitalizations
  - # of hospitalizations: 105
- Electronic Death Reporting System
  - % of deaths due to P&I: 9.6

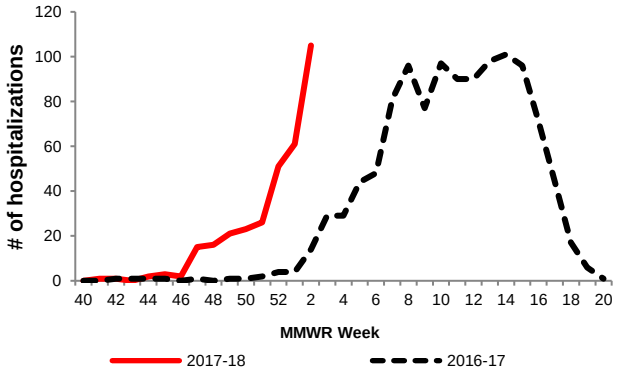
Outpatient Visits for ILI – Maine, 2016-18



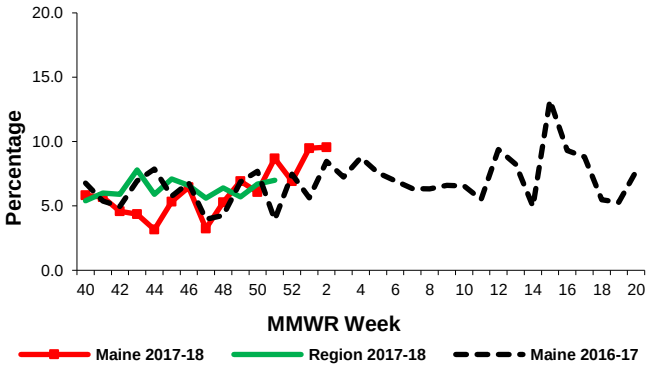
Syndromic Surveillance data for ILI – Maine, 2016 -18



Influenza Hospitalizations – Maine, 2016-18



Deaths Attributable to P&I – Maine, 2016-18

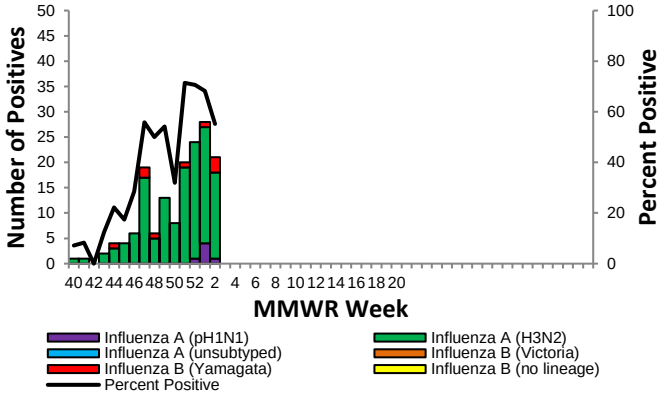


All data is preliminary and subject to change

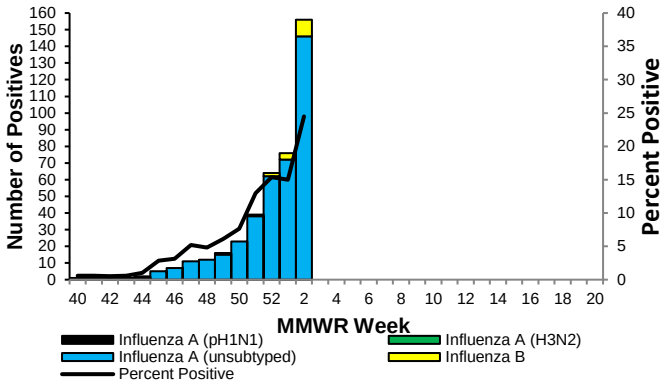
Lab Data – Maine, 2017-2018 Influenza Season

- # of samples tested at HETL: 38
  - # positive: 21
  - % positive: 55.3
- # of samples tested at Maine Reference Labs: 637
  - # positive: 156
  - % positive: 24.5
- # of samples positive by rapid antigen test: 170

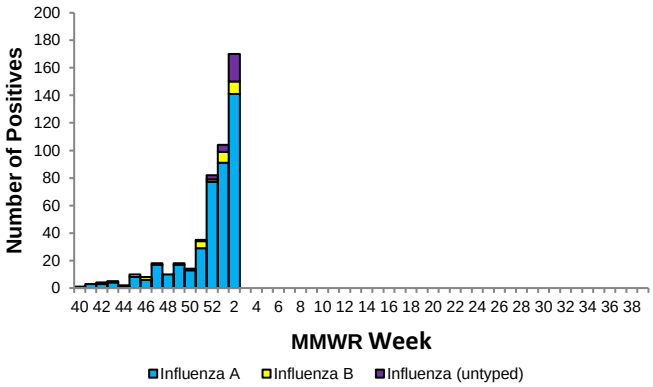
Positive PCR Samples for Influenza, HETL – Maine, 2017-18



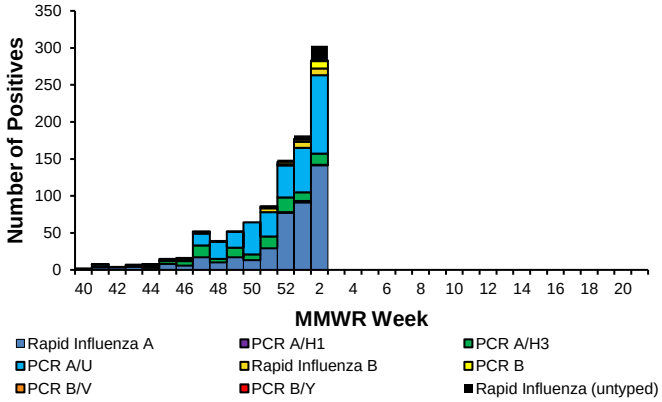
Positive Samples for Influenza, Maine Reference Labs – Maine, 2017-18



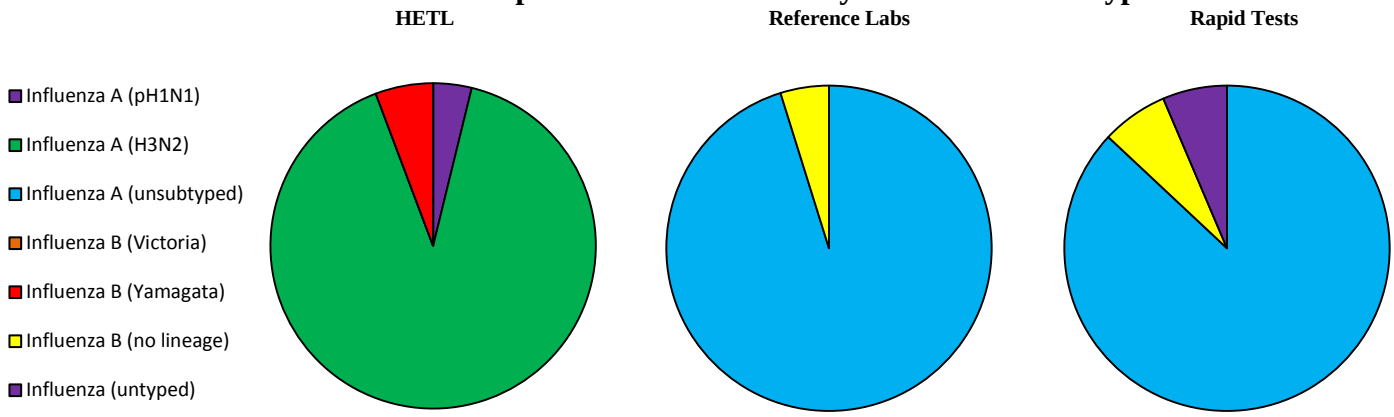
Positive Influenza Rapid Antigen Tests – Maine, 2017-18



All Positive Influenza Results – Maine 2017-18



Cumulative Influenza Positive Tests Reported to Maine CDC by Strain and Test Type



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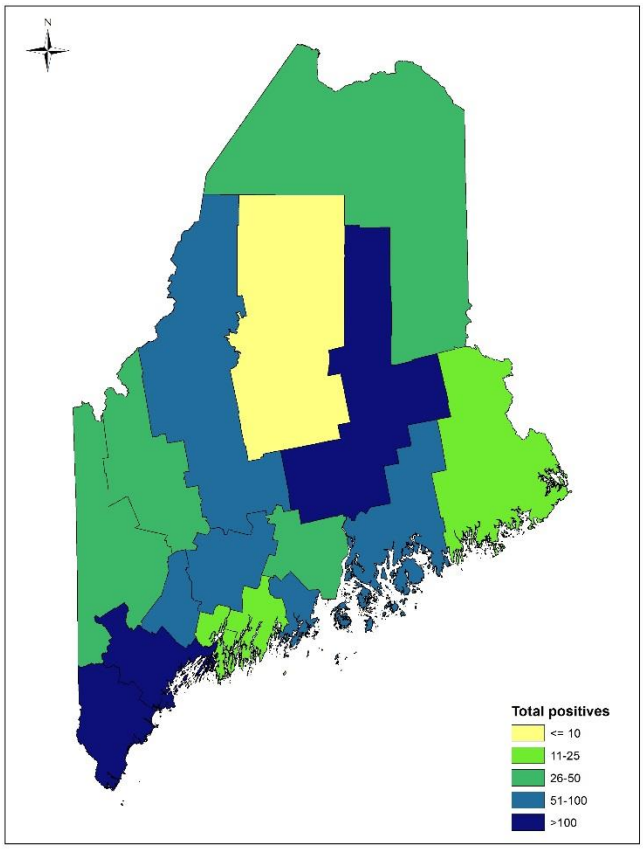
Geographic Distribution of Lab Tests, Maine 2017-18*

County	Positive labs		Hospitalizations	
	Tested this week	Total	New this week	Total
Androscoggin	25	92	2	16
Aroostook	10	34	1	6
Cumberland	62	168	26	49
Franklin	7	41	0	3
Hancock	8	57	1	15
Kennebec	33	72	5	13
Knox	38	66	26	40
Lincoln	10	25	3	12
Oxford	16	46	5	16
Penobscot	40	216	8	67
Piscataquis	5	10	0	0
Sagadahoc	5	14	3	8
Somerset	25	56	3	10
Waldo	11	27	3	12
Washington	3	11	0	4
York	93	252	19	56
Total	**391**	**1187**	**105**	**327**

*Only reported PCR, culture, and rapid antigen tests are included in the chart and map.

Positive Influenza Tests, Maine 2017-18



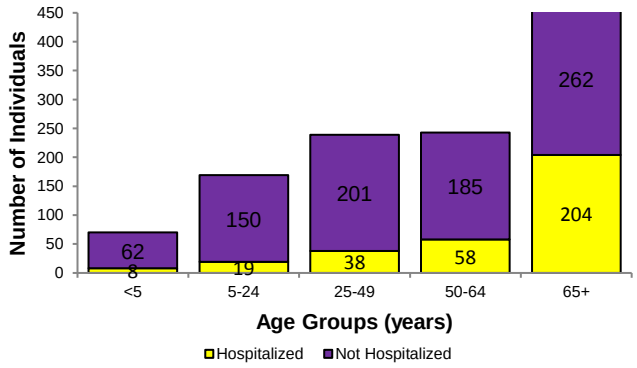
Antiviral Resistance – Maine, 2017-18 Influenza Season

- # of Influenza A (pH1N1) samples tested for Tamiflu resistance at HETL: 2
  - # with resistance: 0
- # of Influenza A (H3) samples tested for Tamiflu resistance at HETL: 83
  - # with resistance: 0

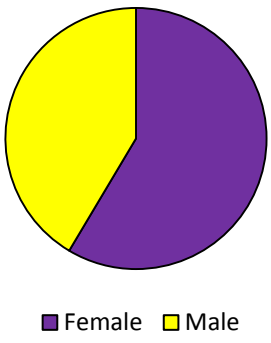
Age and Gender Information – Maine, 2017-18 Influenza Season

- Minimum Age: 1 month
- Mean Age: 53 years
- Maximum Age: 100 years
- Hospitalized Minimum Age: 7 months
- Hospitalized Mean Age: 66 years
- Hospitalized Maximum Age: 97 years

Positive Influenza Tests by Age – Maine, 2017-18



Positive Influenza Tests by Gender – Maine, 2017-18



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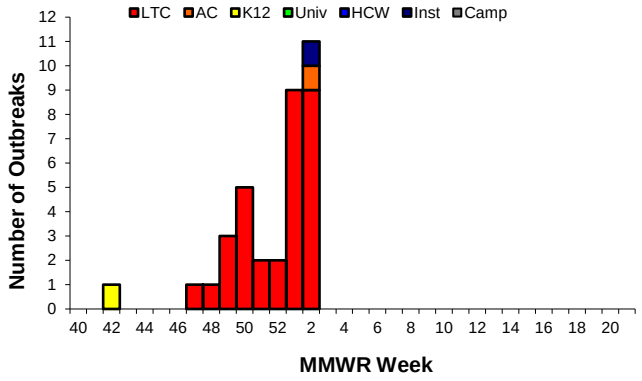
Antigenic Characterization (Vaccine Match)

- Federal CDC has antigenically or genetically characterized 836 influenza viruses from October 1 – January 6, 2018.
    - 100% of influenza A/H1N1 samples match the vaccine strain
    - 98.7% of influenza A/H3 samples match the vaccine strain
    - 100% of influenza B/Victoria samples match the vaccine strain
    - 100% of influenza B/Yamagata samples match the vaccine strain

Influenza-Like Illness Outbreaks – Maine, 2017-18 Influenza Season

- # new outbreaks: 11
- Total outbreaks 2017-18 season: 35

Influenza-Like Illness Outbreaks by Facility Type – Maine, 2017-18



Outbreak Facility Type Key:

LTC - Long Term Care Facility
AC - Acute Care Facility (nosocomial)
K12 - School (K-12) or daycare
Univ - School (residential) or University
HCW - Health care workers
Inst - Other institutions (workplaces, correctional facilities etc)
Camp - Camp

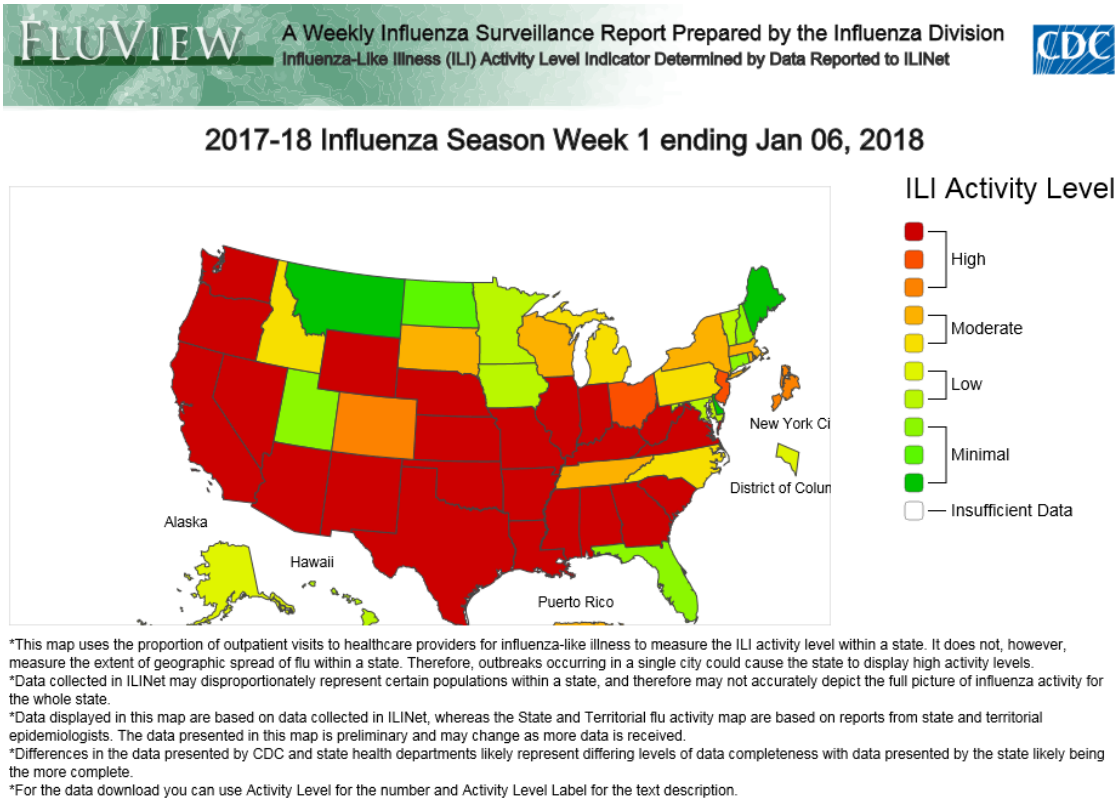
Influenza-Like Illness Outbreak by Facility Type and County – Maine, 2017-18

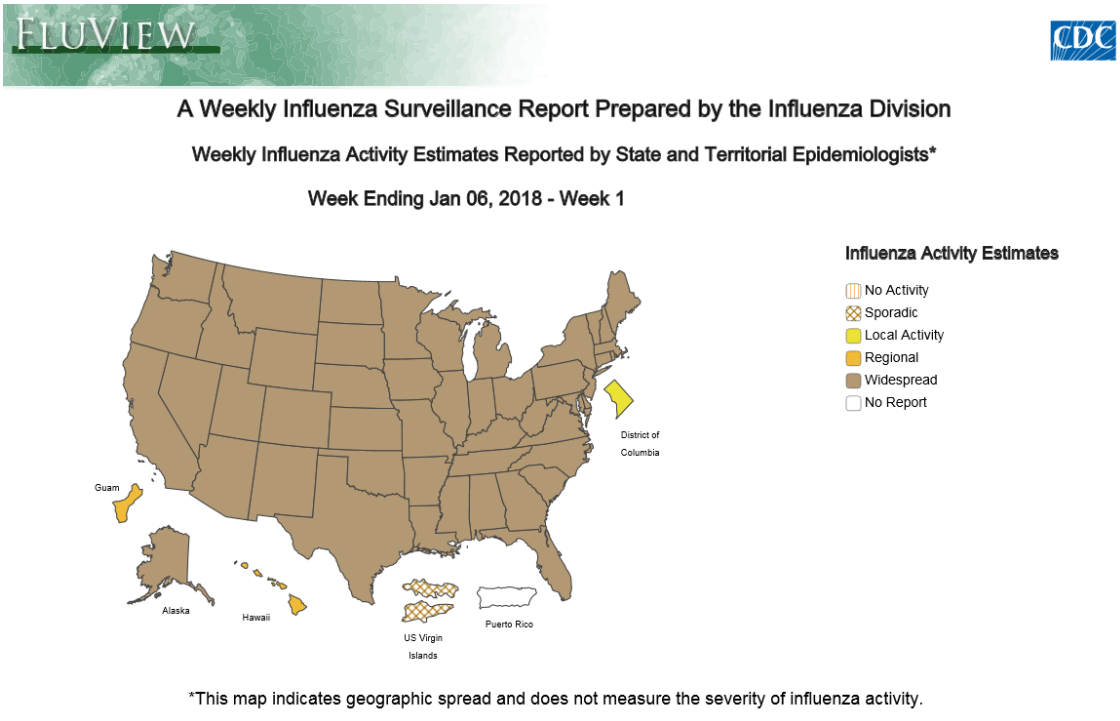
County	LTC	AC	K12	Univ	HCW	Inst	Camp	Total
Androscoggin	2	0	0	0	0	0	0	2
Aroostook	1	0	0	0	0	0	0	1
Cumberland	7	0	0	0	0	0	0	7
Franklin	0	0	0	0	0	0	0	0
Hancock	0	0	0	0	0	0	0	0
Kennebec	2	0	0	0	0	0	0	2
Knox	1	0	0	0	0	1	0	2
Lincoln	1	0	0	0	0	0	0	1
Oxford	0	0	0	0	0	0	0	0
Penobscot	10	0	0	0	0	0	0	10
Piscataquis	0	0	0	0	0	0	0	0
Sagadahoc	1	0	0	0	0	0	0	1
Somerset	0	0	1	0	0	0	0	1
Waldo	0	0	0	0	0	0	0	0
Washington	0	0	0	0	0	0	0	0
York	7	1	0	0	0	0	0	8
Total	**32**	**1**	**1**	**0**	**0**	**1**	**0**	**35**

Pediatric Influenza Deaths

- No pediatric influenza-associated deaths reported during the 2017-18 influenza season

National Influenza Surveillance Data
Source: http://www.cdc.gov/flu/weekly/





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